

WHAT IS CLAIMED IS:

1 1. A method comprising:

2 in a server, hosting an intrusion detection process that
3 provides intrusion detection services; and

4 integrating the intrusion detection process with a server
5 process.

1 2. The method of claim 1 in which integrating comprises:

2 defining global application programmer interface (API)
3 structures in the intrusion detection process to establish a
4 connection to an application programmer interface (API) of the
5 server process.

1 3. The method of claim 2 further comprising:

2 passing a request for data received by the server to the
3 intrusion detection process.

1 4. The method of claim 3 in which the intrusion detection
2 process comprises:

3 packing a subset of the data into an analysis format; and
4 passing the subset to an analysis process.

1 5. The method of claim 4 further comprising analyzing the
2 subset in the analysis process.

1 6. The method of claim 1 in which the server is a web
2 server.

1 7. The method of claim 6 in which the web server is an
2 Apache web server.

1 8. The method of claim 4 in which the analysis process is
2 resident in the web server.

1 9. The method of claim 4 in which the analysis process is
2 resident outside of the web server.

1 10. The method of claim 4 in which passing further comprises
2 delivering the subset in a funneling process via a socket.

1 11. The method of claim 10 in which the funneling process
2 comprises:

3 accepting incoming connections to which the subset can be
4 transmitting; and

5 passing the subset to outgoing connections.

1 12. A method comprising:

2 passing a request for data received by a first server
3 process executing in a first server to a detection process
4 that includes:

5 packing a subset of the data into an analysis format; and

6 passing the subset to an analysis process.

1 13. The method of claim 12 also including
2 analyzing the subset in the analysis process.

1 14. The method of claim 12 in which passing comprises passing
2 control from the first server through an Application
3 Programming Interface (API) of a server program.

1 15. The method of claim 12 in which the first server
2 comprises a web server.

1 16. The method of claim 12 in which the detection process is
2 resident in the first server.

1 17. The method of claim 13 in which the analysis process is
2 resident in the first server.

1 18. The method of claim 13 in which the analysis process is
2 resident in a second server.

1 19. The method of claim 12 in which the analysis format
2 comprises an Emerald format.

1 20. The method of claim 12 in which the analysis process
2 comprises an Emerald eXpert analysis process.

1 21. The method of claim 15 in which the web server comprises
2 an Apache web server.

1 22. The method of claim 21 in which the passing further
2 comprises:

3 receiving the subset in a piped logs interface of the
4 Apache web server; and
5 delivering the subset to a funneling process via a
6 socket.

1 23. The method of claim 22 in which the funneling process
2 comprises:

3 accepting incoming connections to which the subset can be
4 transmitted; and
5 passing the subset to outgoing connections.

1 24. The method of claim 22 in which the funneling process
2 further comprises duplicating the subset for delivery to a
3 second analysis process.

1 25. A system comprising:

2 a web server process having an application programming
3 interface (API); and
4 an intrusion detection process linked to the API.

1 26. The system of claim 25 further comprising a link to an
2 external system having an analysis process.

1 27. The system of claim 26 in which the intrusion detection
2 process comprises:

3 receiving a request for data;

4 packing a subset of the data into a common analysis
5 format;
6 passing the subset to the analysis process; and
7 analyzing the subset in the analysis process.

1 28. The system of claim 25 in which the web server process is
2 an Apache web server process.

1 29. The system of claim 26 in which the common analysis
2 format is an Emerald format.

1 30. The system of claim 26 in which the analysis process is
2 an Emerald analysis process.

1 31. A computer program product residing on a computer
2 readable medium having instructions stored thereon which, when
3 executed by the processor, cause the processor to:

4 receive a request for data;
5 pack a subset of the data into a common analysis format;
6 pass the subset to an analysis process; and
7 analyze the subset in an analysis process.

1 32. A processor and a memory configured to:
2 receive a request for data;
3 pack a subset of the data into a common analysis format;
4 pass the subset to an analysis process; and
5 analyze the subset in an analysis process.

1 33. A computer program product residing on a computer
2 readable medium having instructions stored thereon which, when
3 executed by the processor, cause the processor to:

4 integrate an intrusion detection process with a server
5 process.

1 34. A processor and memory configured to:

2 integrate an intrusion detection process with a server
3 process.